

Atty. Docket No.: 046264-065331 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Application of: | Vladimir I. Slepnev | Examiner: | Bertagna, A.M. |
| Serial No.: | 10/600,201 | | |
| Filed: | June 20, 2003 | Group Art Unit: | 1637 |
| Entitled: | METHODS OF DETECTING SEQUENCE DIFFERENCES | | |
| | | Conf. No.: | 5135 |

**Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

RESPONSE TO FINAL OFFICE ACTION

Sir:

This is filed in response to the Final Office Action mailed September 16, 2009 in the above-noted U.S. patent application.

Amendments to the Claims can be found in the Listing of the Claims, which begins on **page 2**.

Remarks begin on **page 7**.

Kindly enter the following amendments and remarks.